

FIGURE 1

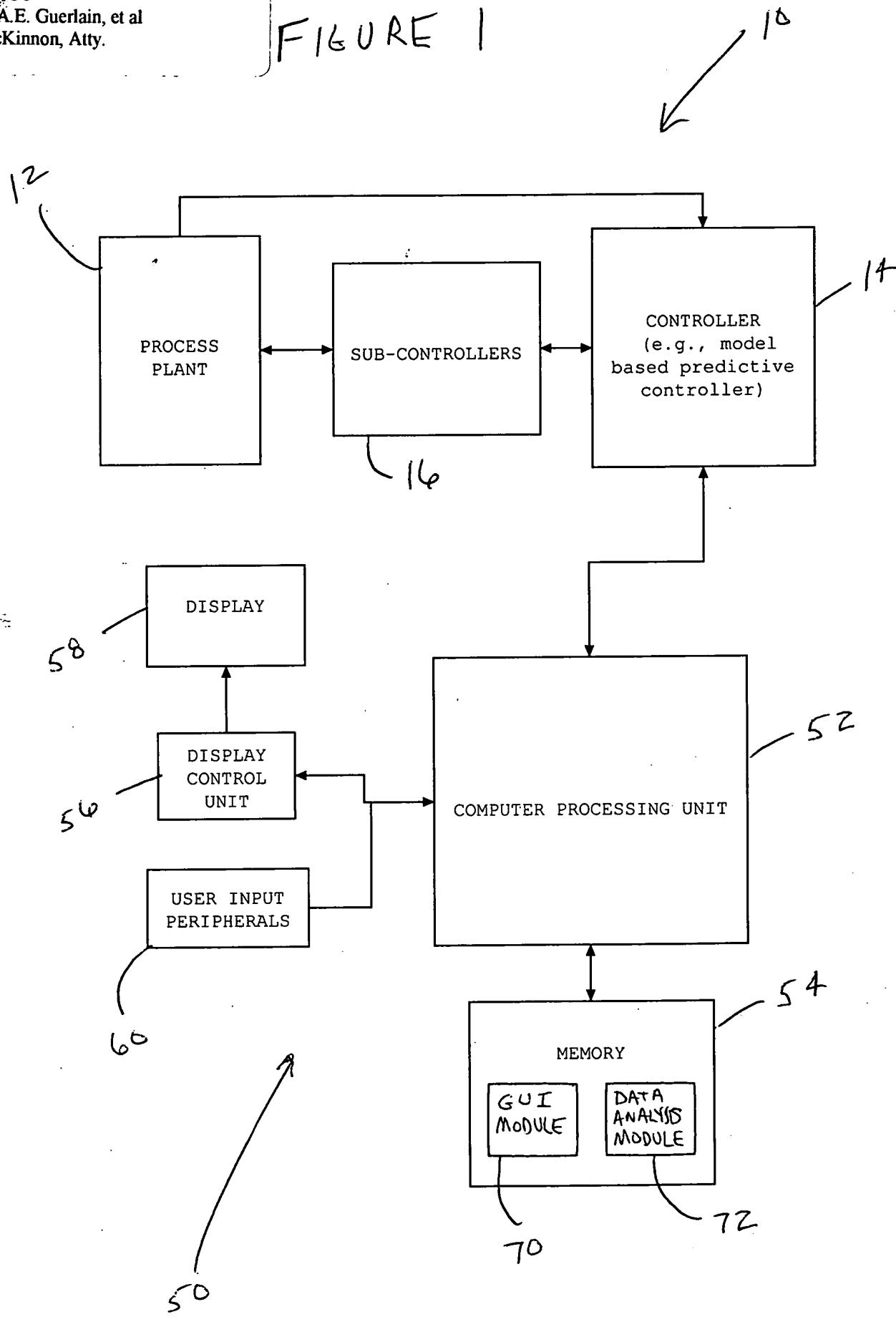
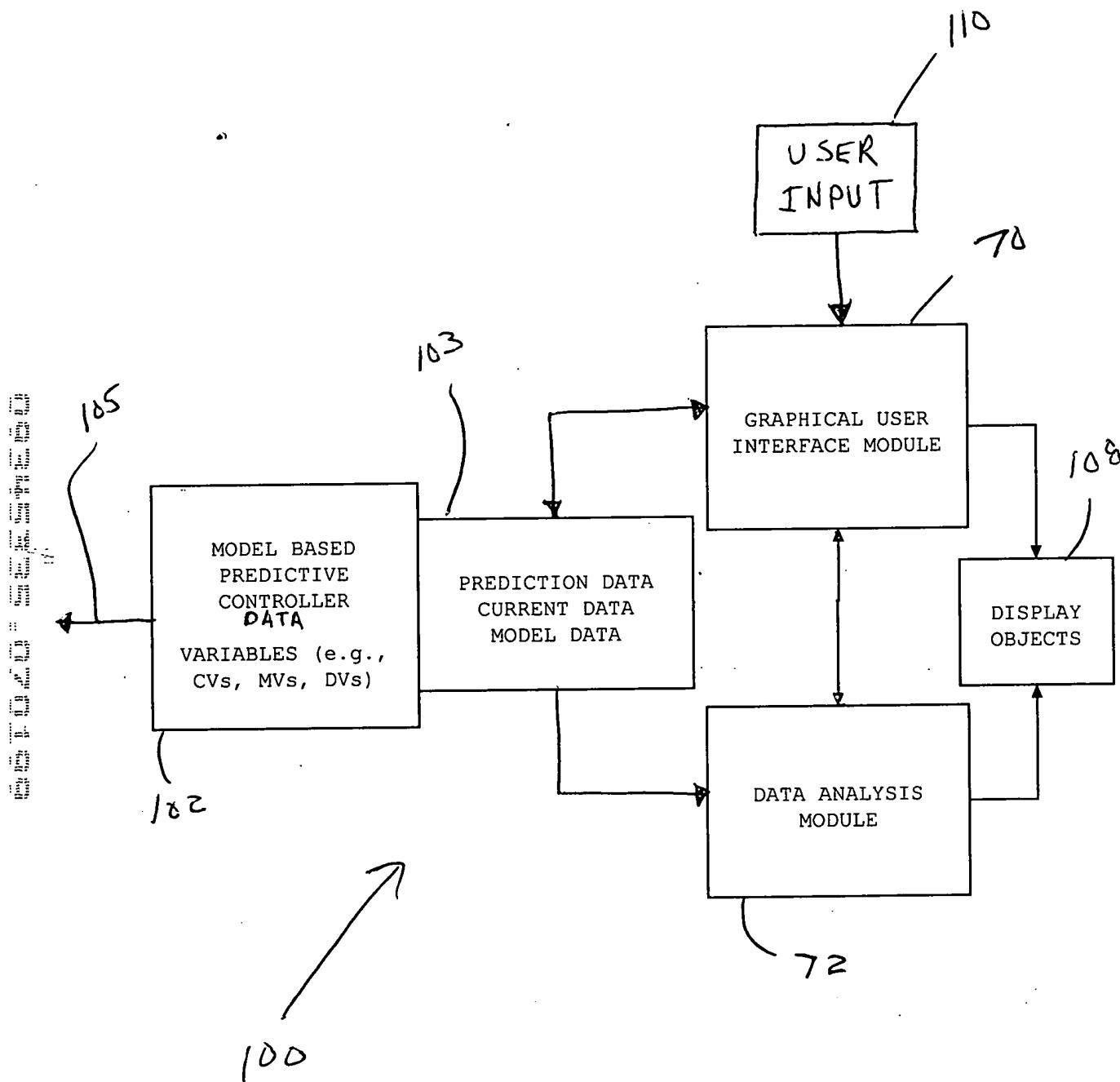


FIGURE 2



142 153 155 157 214  
144 151 211 212

206 140

208 146

RMPC Controller Max Load

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210

DATE

218

Honeywell Confidential and Proprietary

216

212

214

210

Controller Mode: Optimizing

204

211

213

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217

219

220

218

Controller Status: Optimizing

203

212

214

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218

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220

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152

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156

Controller Mode: Optimizing

202

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218

Regen X8 02

201

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214

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218

DCO Yield

200

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217

HH Yield

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213

215

217

CA Yield

200

211

213

215

217

C2 Yield

200

211

213

215

217

Re Conversion

200

211

213

215

217

Main Feed (OP)

200

211

213

215

217

Master Fuel FO

200

211

213

215

217

Furnace FO

200

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215

217

Furnace FO DP

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Spent Cat. Wt. Pct

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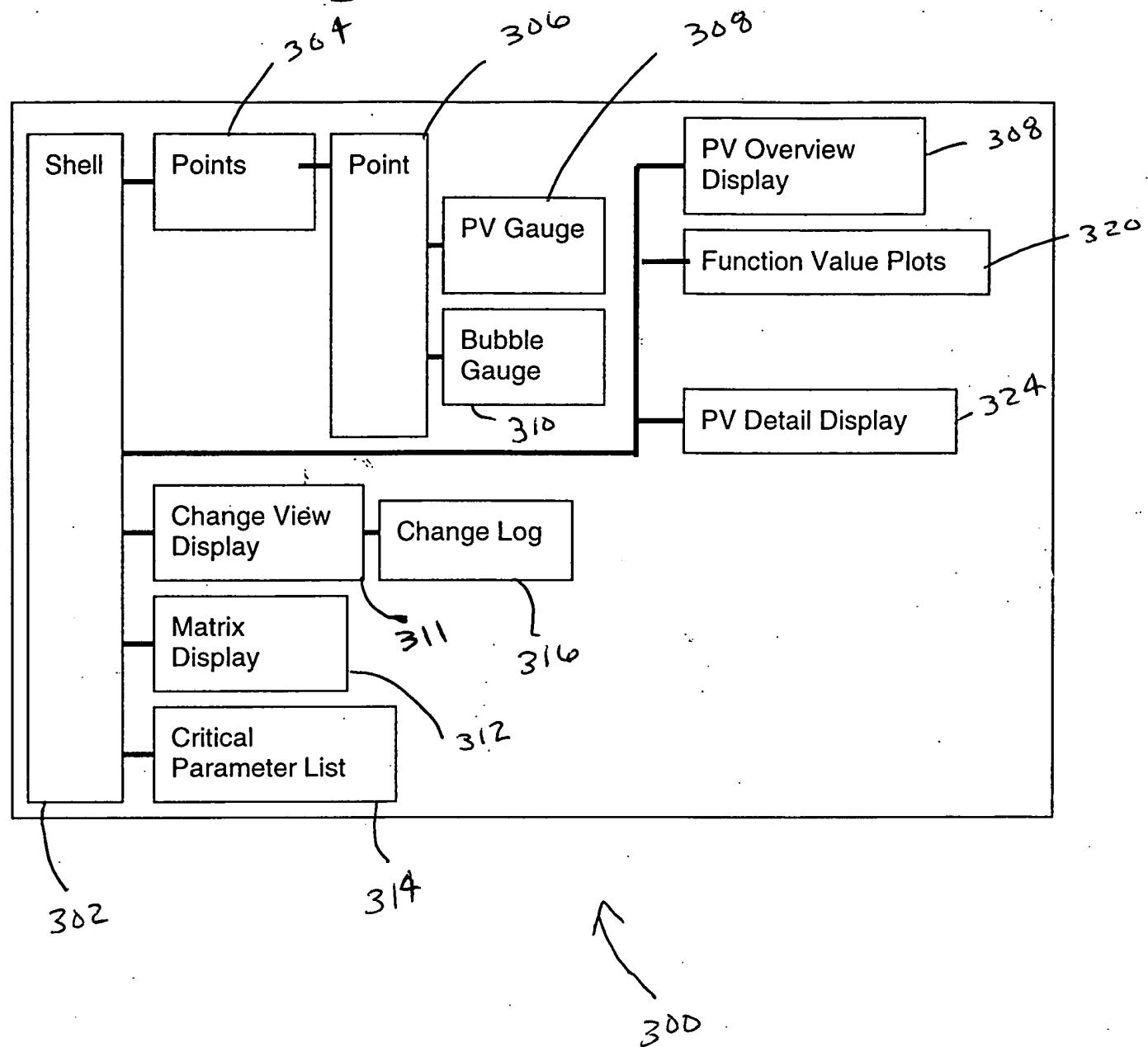


FIGURE 4

## FIGURE 5A

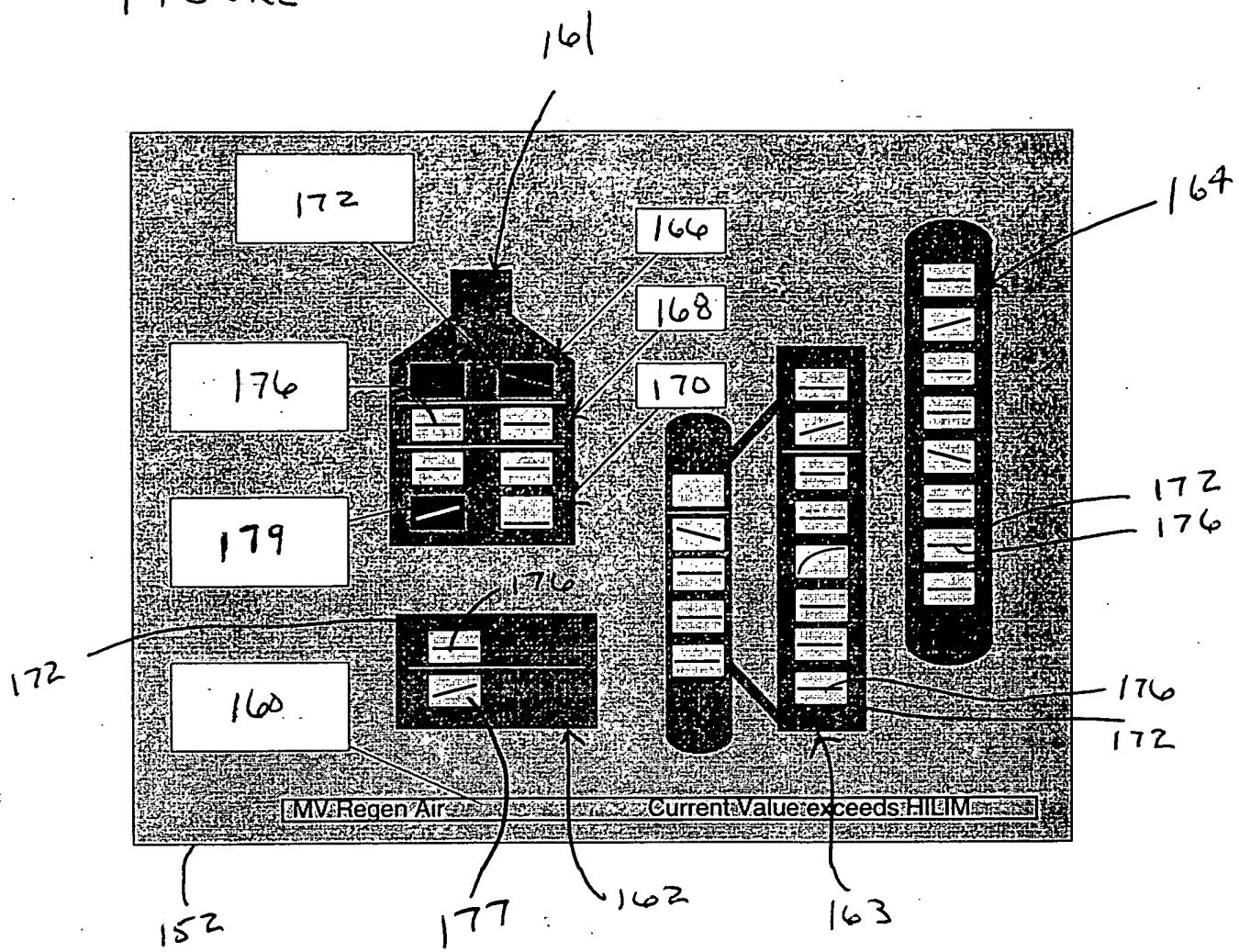
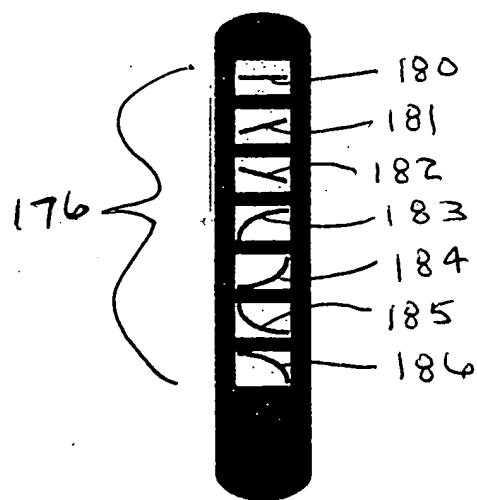


FIGURE 5B



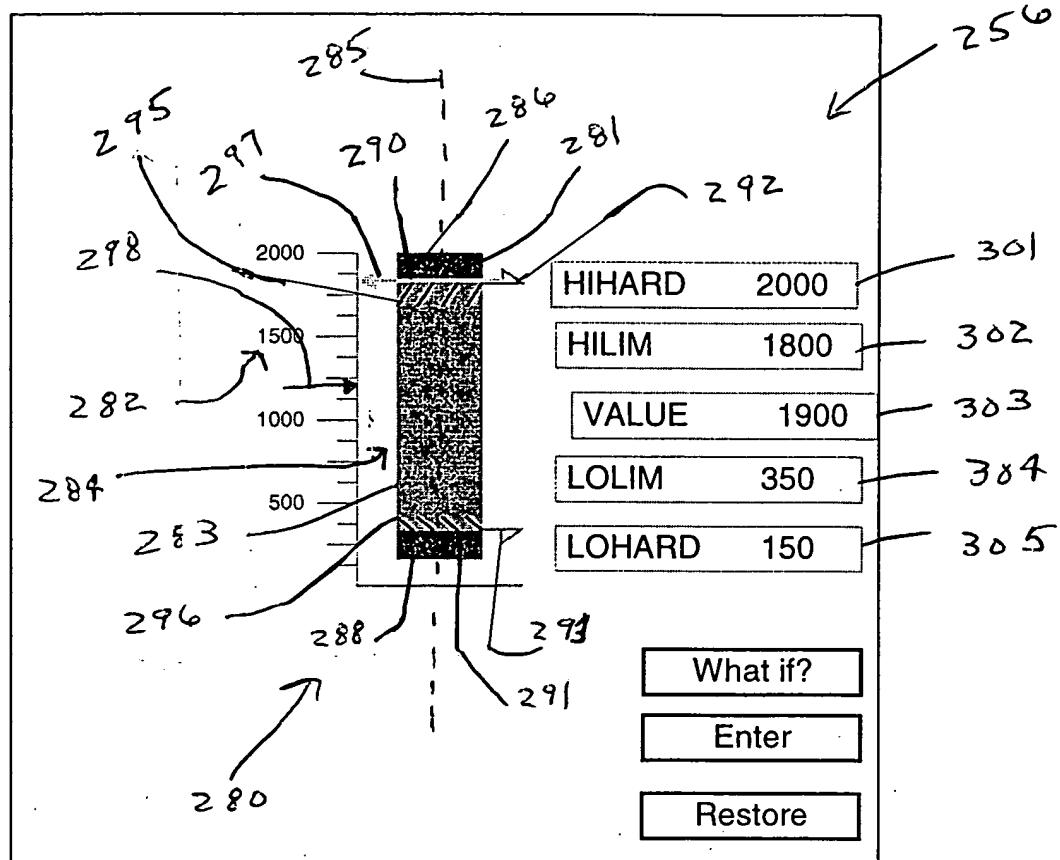
## FIGURE E

252

50  
2

292

FIGURE 7A



295 297 290 285 284 292 291 293 294 296 288 295 297 290 285 284 292 291 293 294 296 288

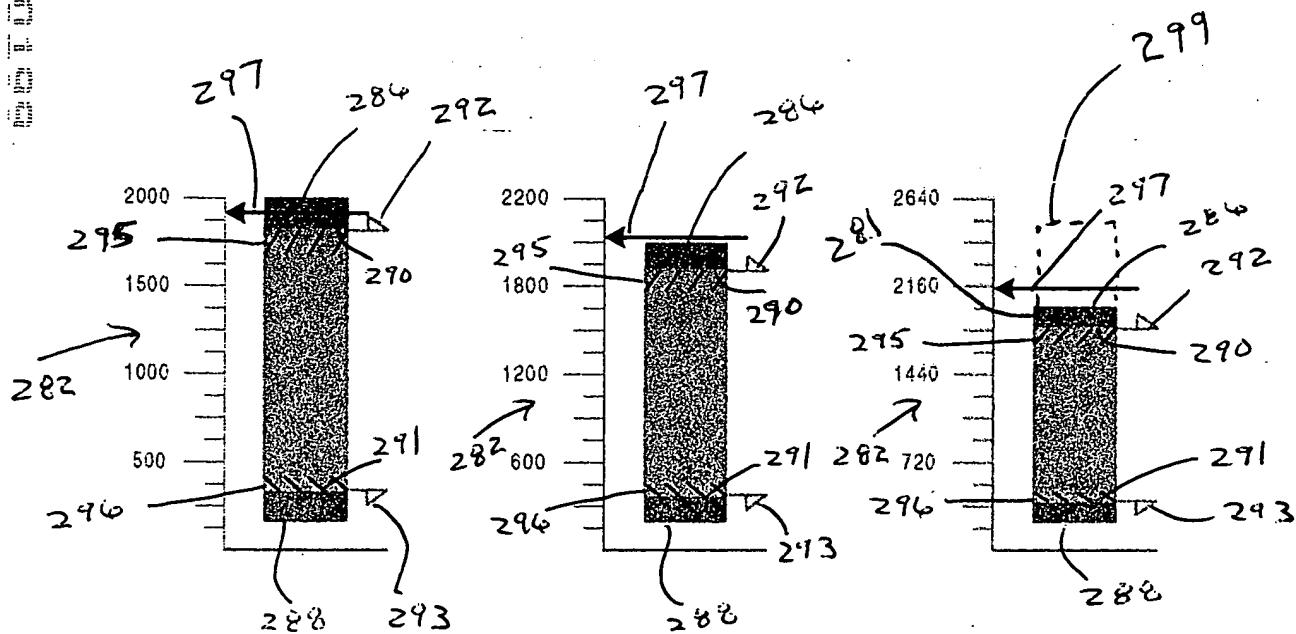


FIGURE 7B

FIGURE 7C

FIGURE 7D

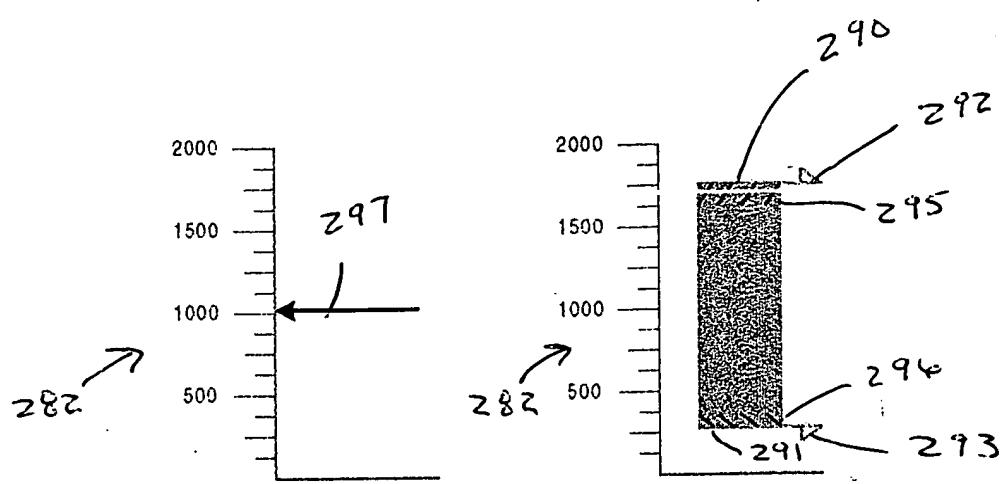


FIGURE 7E

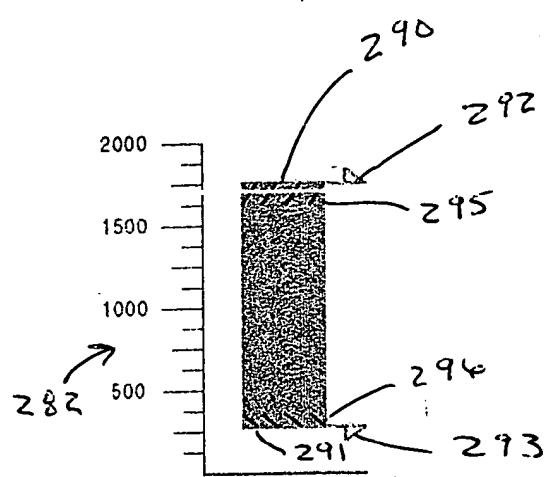


FIGURE 7F

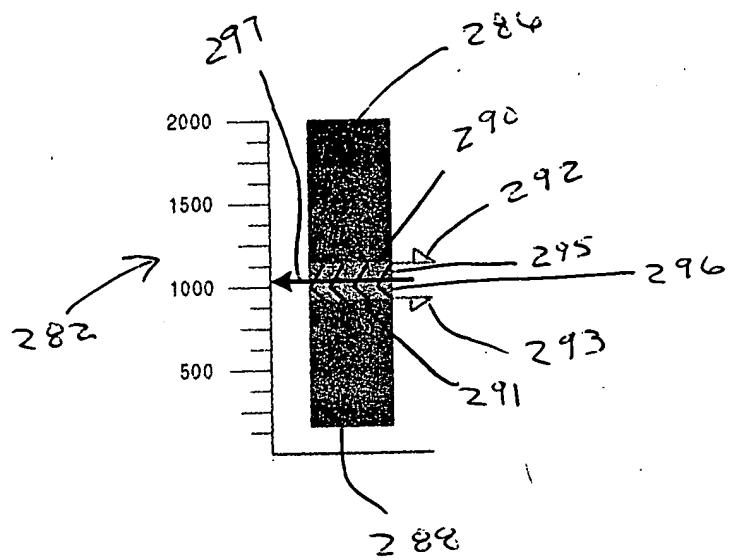


FIGURE 7G

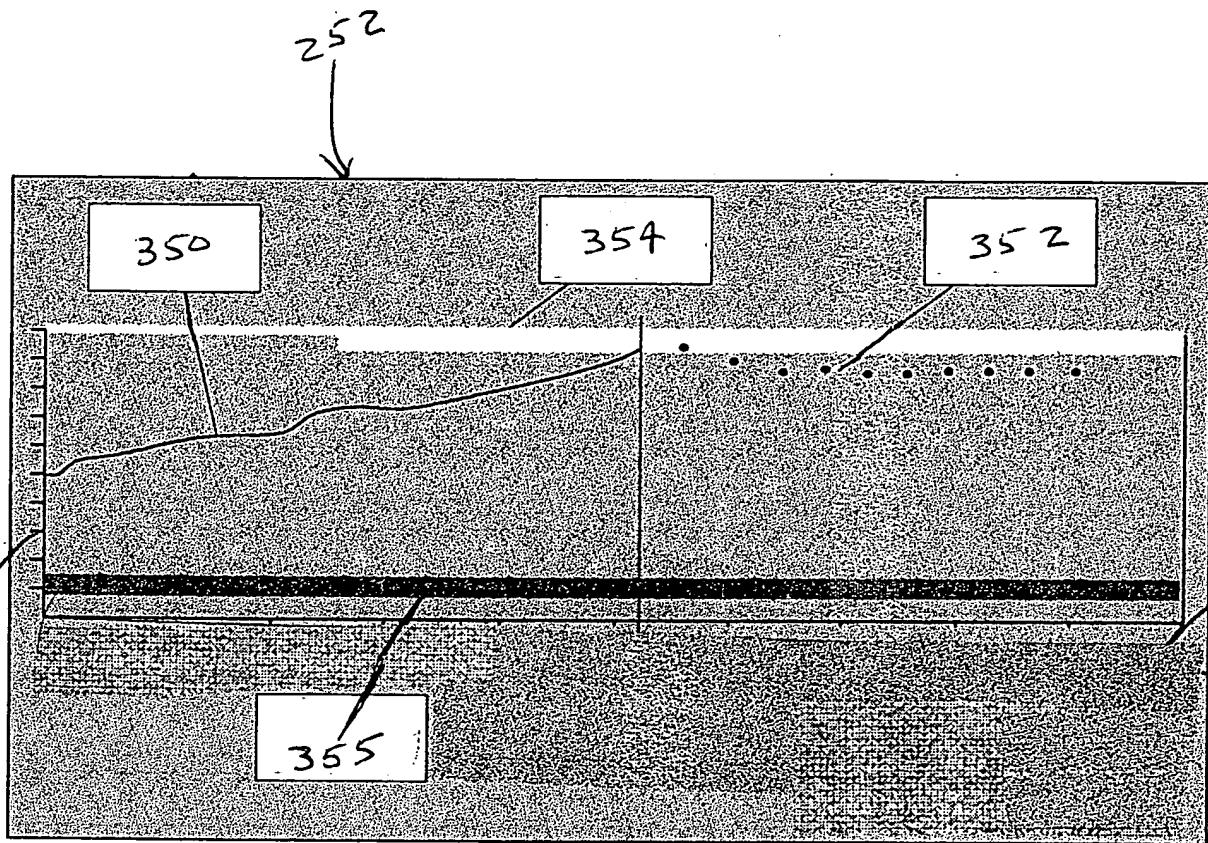


FIGURE 8

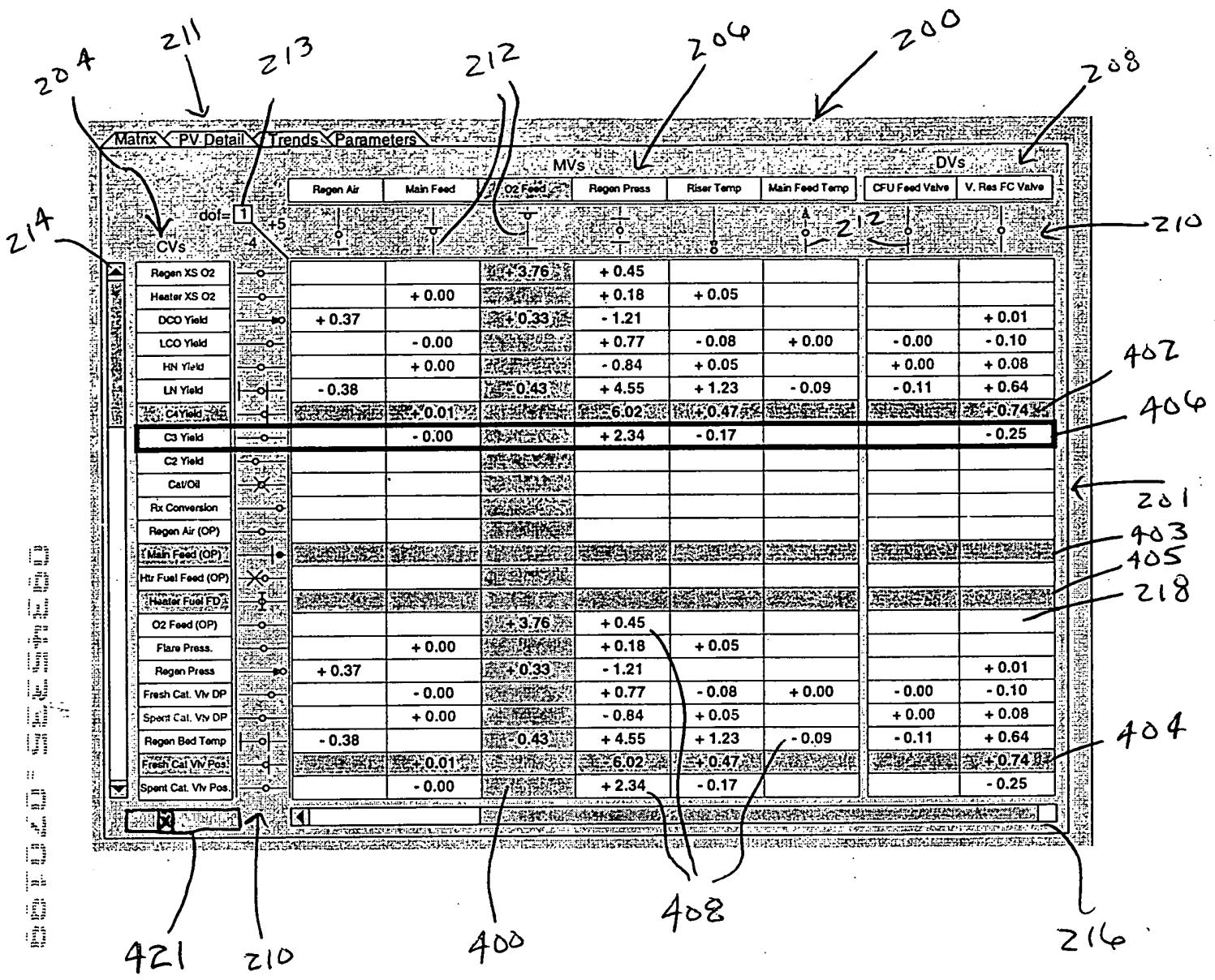
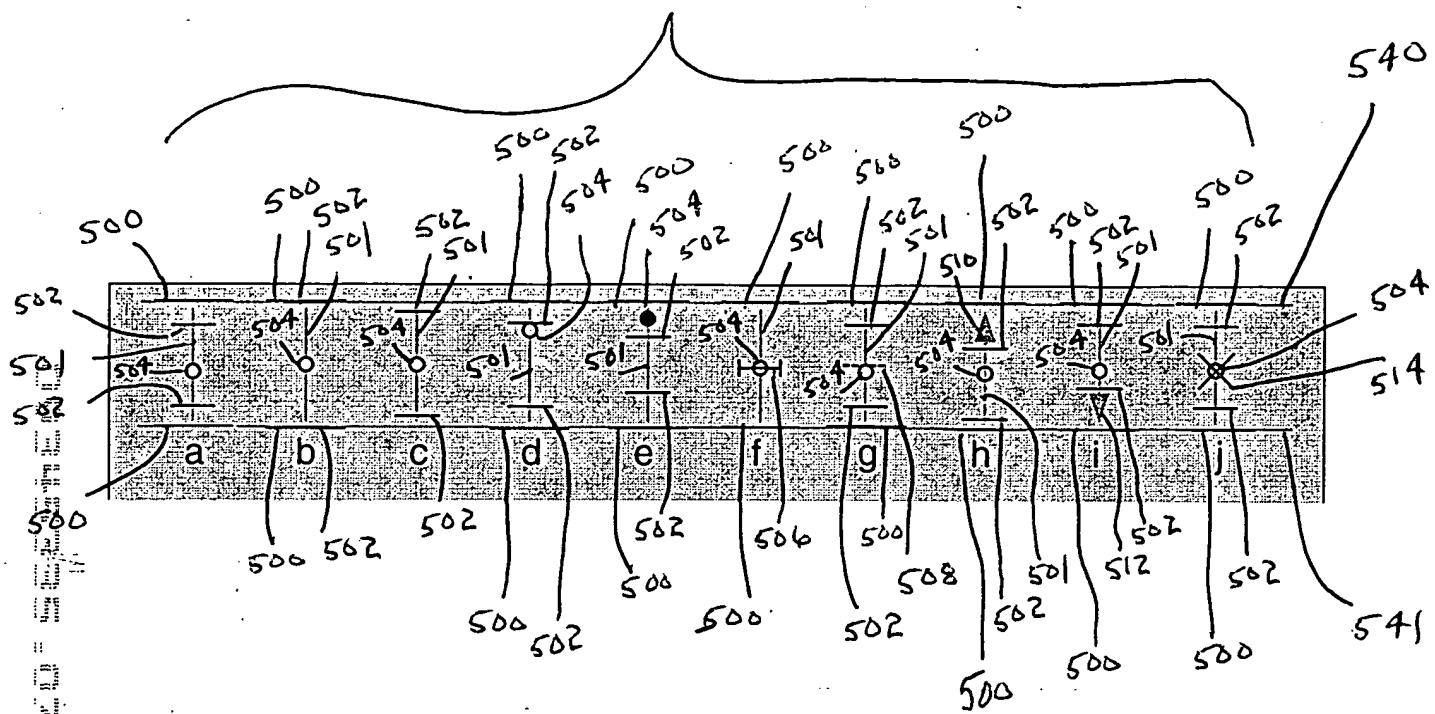


FIGURE 9

FIGURE 10

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MAIN OPERATION								PROBLEMS, COMPLAINTS AND PREDICTIONS		DATE
MVI		OVI		FFI						1/28/98
Main Feed Temp		Main Feed		Regen Air	Riser Temp	O <sub>2</sub> Feed	Regen Press	CFU Feed Vlv	V Reg FC Vlv	
280										
DCO Yield		LCO Yield		HN Yield	LN Yield	Spent Cat Vlv Pos	Spent Cat Vlv DP	Ca/O <sub>2</sub>	Px Conversion	
280										
C4 Yield		C3 Yield		C2 Yield	Flare Press	Fresh Cat Vlv Pos	Fresh Cat Vlv DP	Regen Press	Regen Air (OP)	
280										
Main Feed (OP)		Heater Excess O <sub>2</sub>		Heater Fuel Feed (OP)	Heater Fuel FD	Regen Excess O <sub>2</sub>	O <sub>2</sub> Feed (OP)	Regen Bed Temp		
230										

FIGURE 11